

Helmer, Gwert.
SURFACE DEFECTS ON INGOTS AND BILLETS.
[1963] 61p. 23 refs.
Order from SLA \$6.60

63-16852

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(Svreden) 1944, v. 128, no. 9, p. 457-520.

DESCRIPTORS: *Steel, Porosity, *Castings, Surfaces,
Fracture (Mechanics), Molding, Molding materials,
Hot working, Friction.

(Metallurgy--Ferroous Metals, TT, v. 10, no. 8)

63-16852

1. Title: Ingot structure
2. Title: Billets
1. Helmer, G.

A247750

Office of Technical Services

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Carbon Steel, by Govert Halmer, 11 pp.

SWEDISH, per, Jernkontoret [Stockholm], Annaler,
Vol CXXXVII, No 4, 1953, pp 128-138.

SLA 60-10298

Sci

Jun 60

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(SF-2270)

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BY MARTIN HELMER, 33 PP.

GERMAN, PER, EINHEIT,

JPRS 14720

EUR - GERMANY

POL

AUG 62

205,971

Mathematical and Physical Theories of Higher
Geodesy, Part II: The Physical Theories, by
F. R. Helmert.

GERMAN, bk, Mathematischen und Physikalischen
Theorien der Hoeheren Geodassie, Leipzig, 1884.

ACIC

Sci - Phys

Jan 62

180,838

Mathematical and Physical Theories of Higher
Geodesy, Preface and Part I: The Mathematical
Theories, by F. R. Helmert.

GERMAN, bk, Mathematischen und Physikalischen
Theorien der Hoheren Geodassie, Leipzig, 1880.

ACIC

Sci - Phys

Jan 62

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Deflections of the Vertical. Volume 1. Formulas
and Tables, as well as Some Numerical Results
for Northern Germany, by F. R. Helmert.

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1836, 130 pp.
ACIC TC-1420

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Jan 69

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78
Gravity in High Mountains. Especially
the Tyrolean Alps, in Reference to Geo-
desy and Geology, by F. R. Helmert.
GERMAN, rpt, Veroffentlichung des Konig-
lichen Preussischen Geodatischen Inst
und Central Bureau der Internationalen
Erdmessung, 1890, 52 pp.
•ACIC-TC-1560

F. R. HELMERT

Sci-Bar Sci
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The Adjustment Computation by the Method of Least
Squares, by F. R. Helmert.

GERMAN, bk, Die Ausgleichungsrechnung Nach der
Methode der Kleinsten Quadrate, Leipzig-Berlin, 1921.

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Sci - Phys

Jan 62

180, 839

Gravity in High Mountains, Especially the
Tyrolean Alps, in Reference to Geodesy and
Geology, by R. P. Helmert,
GOVERNMENT USE ONLY

GERMAN, paper presented, Veroffentlichung
des Koniglichen Preussischen Geodatischen
Institutes und Centralbureaus der Internation-
alen Erdmessung, 1890, 73 pp.
ACIC TC-1560

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Nov 70

Helmholtz, H.
ON THE FORM OF THE HOROPTER, DETERMINED
MATHEMATICALLY (Über die Form des Horopters,
Mathematisch Bestimmt). [1961] [11]p. (foreign text
included).

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Trans. of Naturh[istorisch]-Med[izinischer] Ver[ein].
Verhandl[ungen] (Germany) 1862/[65] v. 3, p. 51-55.

DESCRIPTORS: *Eye, *Retina, Visual perception,
Optical images, Mathematical analysis.

(Biological Sciences--Physiology, TT, v. 7, no. 2)

61-14086

1. Title: Horopter
1. Helmholtz, H.

15351

Office of Technical Services

Helmholtz, H.
ON THE HOROPTER (Über den Horopter). [1961]
[8]p. (foreign text included).
Available on loan from SLA 61-14088

Trans. in manuscript of Naturh[istorisch]-Med[izi-
nischer] Ver[ein]. Verhandl[ungen] (Germany)
[1862/65, v. 3] p. 122-124.

DESCRIPTORS: Eye, Retina, Visual perception.

(Unannounced)

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1. Title: Horopter
1. Helmholtz, H.

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die Bewegungen des Menschlichen Auges). [1961] [17]p.
(foreign text included).
Available from SLA on loan 61-14090

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nisher] Ver[ein]. Verhandl[ungen] (Germany)
[1862/65, v. 3] p. 62-67.

DESCRIPTORS: Eye, Motion, Visual perception.

(Unannounced)

61-14090

1. Helmholtz, H.

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Temperature Distribution in a Revolving Cutting
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Aug 59

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The Facts in Perception, by H. Helmholtz, 38 pp.

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NIH 6-18-61

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8 pp.

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CALL NO. TA501 N86, 1961.

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Sci - Engr

19 Jun 62

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Experimental Animal Investigations of Hypoglycemic
A Substance Prepared from *Aspergillus Niger* that is
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SLA 59-17825

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Determination of Urinary Aldosterone, by M. L.
Helmreich, A. Riandell, R. Borth, 1 p.

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2 Jul 1955, p 661.

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Sci - chemistry

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On the Question of the Effect of Digitalis
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K. Simon, 12 pp. UNCLASSIFIED

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341-344.

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Sci - Med

Mar 58

Carbon Anodes for the Electrolysis of
Aluminum, by W. Helling, R. Lange, and
G. Helmrich, 12 pp.

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pp 389-394.

SLA 57-2561

Sci

Aug 58

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Basic Differences Between Polarized and
Nonpolarized Magnetic Systems in Relyas,
by H. Helmrich, 13 pp.

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ATS-77043G

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J-731/61

(DC-6126)

Communist Forgeries, by Richard Helms,

ENGLISH INTO FRENCH, ITAL, SPAN, PORT - booklet,
Communist Forgeries, 2 Jun 1961, pp 121.

*JPRS/SPECIAL

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26 Jun 61

Mechanism of Action . . . of B 518 (Endoxanasta)
on the Jensen Sarcoma and Inhibition of Chemo-
therapy of Tumors by the Vitamin Nicotinic Acid
Amide, by Holzer, Helmut, Kroger, Hans, 7 pp.

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Vol XXXVI, No 14, pp 677-678.

BLA 59-15494

Sci

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Vol 2, No 3

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Symbols Employed in Semiconductor Engi-
neering, by Helmut Melzer, 8 pp.
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ACSI I-5805
ID 2204049864

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Mar 65

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Melzer, Helmut

INTENSIVE POLYTECHNIC INSTRUCTION, BY WOLDGANG
MUELLER, HELMUT DITTRICH, 13 PP.

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PP 652-662.

JPRS 15419

EUR - GERMANY
SOC
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The Effect of Interference Factor in Stereo Measurements by Anaglyphic Method, by Rafast Balmy.

GERMAN, rpt, Einfluss Des Stoeckfaktors bei Stereomessungen mit Anaglyphen.

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Sci - Earth Sci & Astron
Jan 64

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Investigations on the Photoplotter Model VI From
Mistri (I) of the Fima Ottico Meccanica Italiana,
by Raafat Helmy.

GERMAN, per, Bildmessung und Luftbildwesen,
No 4, 1962, pp 184-193.

ACIC

Sci - Phys

Feb 63

221,443

Heloir, George.

MOTION PICTURE CAMERA TAKING, ON ORDINARY FILM, STEREOSCOPIC VIEWS OF STANDARD DIMENSIONS WITH A SINGLE OBJECTIVE. [1961] [3p. (9 figs. omitted).

Order from OTS or SLA \$1.10

62-10900

Trans. of French patent 797415, Gr 17 Cl 3, filed 8 Nov 34, delivered 8 Feb 36, pub 27 Apr 34.

DESCRIPTORS: *Motion picture cameras, Cameras, *Photographic equipment, Photographic film, *Stereoscopic projectors, Stereoscopes, Inventions

The resulting film may be projected like an ordinary non-stereoscopic film, the left and right images being selected for each eye by the method of anaglyphs, or by alternate masking of the eyes, or by any other method. Each left or right view is sent by a transmitting re- (Materials--Photographic, TT, v. 7, no. 11) (over)

62-10900

I. Heloir, G.
H. Patent (France) 797 415

209094

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POLISH, per, Nukleonika, Vol V, No 10, 1960, ~~pp 635-647~~ pp 635-647.

TEXT ABC TR-4164

Sci

Jan 63

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(a) Measures to Improve the Readiness for Action and the Quartering of Mobile Medical Units, by E. Somer, (b) Training of Medical Personnel, by E. Holske, (c) Medical and First Aid Training of Nonmedical Personnel in the Finnish Armed Forces, by E. Holske, 20 pp. UNCLASSIFIED

FINNISH, per, Sotilaslankatieteellisen Aikakauslehti, No 3, 1957, Helsinki, pp 3-16, 23-26, 27-30.

ACSI, H-0723

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Norbur - Finland
Mil

Apr 56

(a) Measures to Improve the Readiness for Action and the Quartering of Mobile Medical Units, by P. Somer, (b) Training of Medical Personnel, by E. Holsko, (c) Medical and First Aid Training of Nonmedical Personnel in the Finnish Armed Forces, by E. Holsko, 20 pp. UNCLASSIFIED

FINNISH, per, Sotilaeläketieteellinen Aikakauslehti, No 3, 1957, Helsinki, pp 3-16, 23-26, 27-30.

ACSI, H-0723

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M11

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(FDD 25384)

Injuries Caused by Atomic Weapons and Possibilities of Protection Against Them, by Esko Helske, 19 pp.

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CIA/FDD U-8002

EEur - Finland

Sci - Medicine, nuclear energy

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**Statistical Theory of Signal Detection, by Carl W.
Helstrom.**

RUSSIAN, bk,

PP

Anatomical Observations on the Stomach of Man,
with Reflections on the New System, which Regards
the Trituration in the Stomach as the Cause of the
Digestion of the Food, by Jean-Claude-Adrien
Helvetius, 9 pp.

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des Sciences, 1719, pp 336-349.

SLA 59-15613

Sci
Oct 59
Vol 2, No 3

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Concerning Thin Hydrocarbon Layers Formed
by electron or ion bombardment, by

G. Helwig, G. Mulwig

Zurich, Ber. Z. für Physik, Vol 129,
1961, pp 491-503.

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May 65

G. Helwig

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Modern Combat and Physical Fitness, by
Miroslav Hemala, 6 pp.

CZECH, np, Obrana Lidu, No 240, 2 Oct 1968,
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ACSI I-4076
ID 2211715

EEur - Czechoslovakia
Mil
30 Jan 63

ON THE DEVELOPMENT OF THE PLASTIC INDUSTRY IN THE
GERMAN DEMOCRATIC REPUBLIC IN 1962 AND SOME
PROSPECTS FOR THE 1970. REVIEW OF THE TWO
ELECTROCHEMISTRY AND PLASTICS, BY H. KETTER, H. KROGER,
7 PP.

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1963, PP 123-134.

EDITION - GERMAN

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NOT 63

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New Electrostatic High-Voltage Generators, by
P. Hemardinquer, 8 p.

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No 165, pp 254-256.

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FRENCH, per, Rev Gen Mecan, No 92, Sep
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The Westfalia Oil-Separator With Self-Emptying
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Scientific - Fuels

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The problem of textile technological documentation
nears its solution, by Erik Hemlin. UNCLASSIFIED

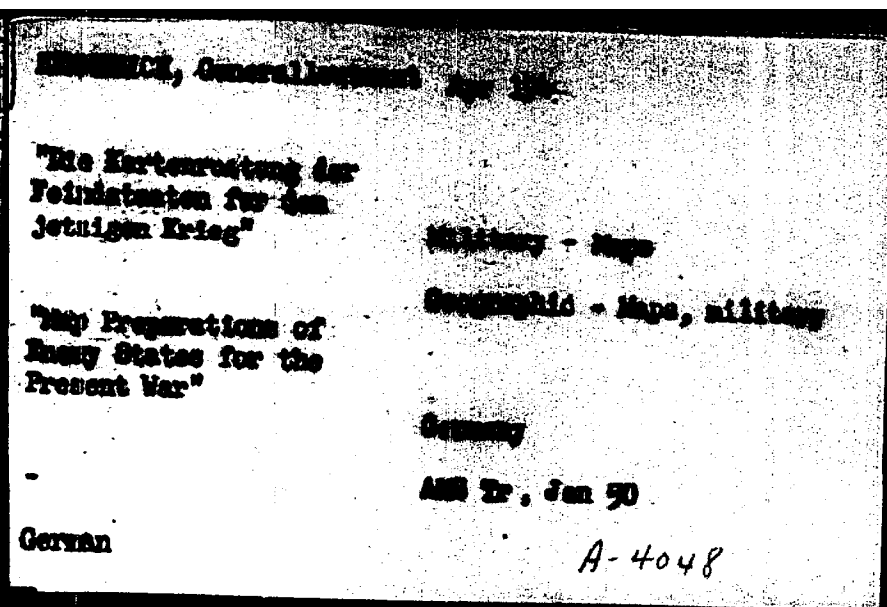
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pp 5 - 7.

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QMT-227

WE - Economic

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A 4046



Experiments Concerning the Effect of RA 8
Upon Circulation and Pulmonary Function,
and Clinical Experiences, by H. Remmerl,
K. Klein, O. Pechler, 12 pp.

GERMAN, per, Arztlich Forsch, Vol XIII,
No 4, 1959, pp 196-200.

ATB-76M42G

Sci
Feb 62
Vol 4, No 9

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(SF-1697)

The Survival of Airborne Microorganisms, by Jan Hemmo
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DUTCH, M., De Overleving Van Microorganismen in
Lucht, 1959, pp 1-120.

JPRS 4761

Sci - Biol

Aug 61

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Hempel, Walther and Tedesco, Hermann.
STUDIES ON THE AMMONIA SODA PROCESS. [1963]
8p. (figs. tables omitted) 6 refs.
Order from SLA \$1.10

63-14129

Trans. of Angew[andte] Chemie (Germany) 1911,
v. 24, p. 2459-2469.

DESCRIPTORS: *Sodium compounds, *Carbonates,
Production, Chlorides, *Ammonia, Carbonic acids,
*Solvay process.

(Engineering--Chemical, TT, v. 10, no. 7)

63-14129

I. Hempel, W.
II. Tedesco, H.

A247547

Office of Technical Services

Behaviour of Heat-Resisting Steel in Long-Period
Tests at 500-700° C. Part VII, by Hempel.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
May/Jun 1957,

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(52.5.0)

Sci - Min/met
Jan 58

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lichen Kommission für Meeresforschung, Vol 15,
No 2, 1958, pp 132-144.

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EE-Germany

Leon

Nov 67

Gotthilf Hempel

345,506

Recent Model Concepts on the Dynamics of Dominant
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Dept of Interior
SH211 E32 No 370

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Sci - Biol

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Effect of Crystal Orientation on the Formation
of Slip Lines on the Surface of Alpha-Fe
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Stress, by Tempel, et al. UNCLASSIFIED

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6 pp.

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NIH 5-23-61

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Jul 61

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Structural Mechanics of Bitumens, Its Rheological
Significance and Relation to Conventional Test
Methods, by F. Hempel.

GERMAN, per, Bitumen, Teere, Asphalte, Peches,
Vol X, No 1, 1959, pp 12-21.

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Sci

May 60

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Weather Processes and Their Influence on Marine
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Sci

Oct 61

Distribution of the Cell System Rich Stores
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With Tritiated DOPA, by K. Hempel
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1963, pp 286-292.
NIH 4-60-65

Sci-BQM
May 65

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61-16315

Hempel, M.
LONG TIME FATIGUE TESTS ON A FERRITIC AND
AN AUSTENITIC STEEL AT 500-650°C. Pt. 7 of Be-
haviour of Heat-Resist[ant] Steels [during Creep Test-
ing at Temperatures of] 500-700°C. [1958] [11]p.

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Order from SLA \$1.60

61-16315

Trans. of Archiv für das Eisenhüttenw[esen] (West
Germany) 1957, v. 28 [no. 5/6] p. 311-316.

DESCRIPTORS: *Heat resistant alloys, *Steel, *Austen-
ite, *Creep, Fatigue (Mechanics), Tests, Stresses.

I. Hempel, M.
II. Title: Behaviour...

Office of Technical Services

(Metallurgy- Ferrous Metals, IT, v. 6, no. 3)

Behaviour of Steels at Low Temperatures Under
Alternating Tensile Stresses, by M. Hempel,
J. Lucas. UNCL

GERMAN, per, Mitt Kaiser Wilhelm Inst fuer
Eisenforschung, Vol XXIII, No 5, (paper 413)
1941.

RAE 303

Sci - Min/Mat
Apr 60

114,782

The Effect of Welding Defects on Tensile
Endurance Limit in ST 37 Steel Specimens, 16 p.
by *M. Hempel, H. Moller*
GERMAN, per, Arch Eisenhüttenw, 1949, Vol XX,
No 11/12, pp 375-383.

ATS-011340

Sci
Mar 60
Vol 2, No 11

109,603

Fatigue Strength Diagrams of Notched and Cold-Deformed
Steels and Screws, by M. Hempel, 2 p.

JEFFMAN, por, Zeit Verein Deutscher Ing, 1937,
Vol LXXXI, No 29, pp 870.

SLA 59-20394

Sci
Mar 60
Vol 2, No 12

109,233

Contribution to Our Knowledge of the Fatigue Behaviour
ing of Materials, by H. Hempel, E. Hondremont. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, 1963,
p 1503.

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(no number given)

Sci -Min/Int
Sep 59

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Tests for Fatigue Strength and Behaviour of
Materials Under Alternating Stress; II. Multi-
Stage Repetition Tests and Changes in the Properties
of Materials, by M. Hempel, 12 pp.

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pp 882-887.

CIA/FDD/Z-167

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Scientific - ~~HYDRAUS~~

NOV 55 GTS/DEX

SLA 58-589

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Structural and Crystalline Conditions After Cold
Forging and Alternating Stress, by M. Hempel, H. R.
Sander, E. M. Moller.

GERMAN, biwk per, Stahl[✓] und Eisen, Vol LXXII,
No 18, Aug 1976-1986.

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Sci - Engineering, Chemistry 46,437
Apr 57 CTS/dex

Tensile-Compressive Fatigue Tests on Steel at
High Temperatures, and the Assessment of the
Results Obtained by Different Methods, by
M. Hempel, H. Krug.

GERMAN, per, Mitt K-Wilh Inst Eisenforschg,
Vol XXIV, 1942, pp 71- 95.

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Sci - Min/met
Oct 57

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Cast Iron and Malleable Cast Iron Subjected to Alternating Loading, by M. Hempel, 8 pp.

Full translation.

GERMAN, per, VDI Zeitschrift, Vol XIXV, No 12, Mar 1941, pp 290-292.

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Scientific - Minerals/Metals

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Jul 55

Tests for Fatigue Strength and Behavior of Materials
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Means of Establishing Bases for Calculation, by
M. Hempel, 13 pp.

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pp 809-815.

CIA/FID/Z-144

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SLA 58-593

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Strength With Varying Sample Size, by M. Hempel

Full translation.

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425-436, 1951.

TPA3/TIB Tr No T 4046

Scientific - Engineering

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61-18555

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FATIGUE STRENGTH AND ELONGATION OF
STEELS AT HIGH TEMPERATURES. [1961] [12]p.
24 refs.

Order from SLA \$1.60

61-18555

Trans. of V[erein] D[eutscher] I[n]genieure. Z[eit-
schrift] (Germany) 1942, v. 86, no. 39/40,
p. 599-605.

DESCRIPTORS: *Steel, Heat treatment, *Tempera-
ture, *Fatigue (Mechanics), Deformation, Stresses.

I. Hempel, M.
II. Krug, H.

184265

Office of Technical Services

(Metallurgy--Ferrous Metals, TT, v. 7, no. 1)

The Influence of Hot Dip Galvanizing on the
Fatigue Characteristics of Cold-Rolled
Sheet. Part I, by M. Hempel, D. Horstmann.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
No 25, 1962, pp 1769-181775.

HB 5801

Sci-M/M

243,940

Dec 63

KORBER, P.
~~HEMPFL~~, M.

Mitteilungen K. W. Institut Eisenforschung,, vol.
17, 1 figure, 1 table, 1100-word abstract, 1935.

Influence of Straining and Aging upon Behavior
of Steel under Alternating Stresses.

Brutcher Trans, Order No. 372, \$ 1.30.

A 4050

The Influence of Hot Dip Galvanizing on the
Fatigue Characteristics of Cold-Rolled ~~XXXXX~~
Sheet. Part II, by M. Hempel, D. Horstmann.

GERMAN, per, Stahl und Eisen, Vol LXXXII, N
No 25, 1962, pp 1775-1781.

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Sci-M/M
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Application of Physical and Metallographic Investigation Methods in the Fatigue Testing of Materials,
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GERMAN, per, Draht, Vol XI, 1960, No 4, pp 151-157.

Dept of Interior
Tr No 1778

Sci

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POMP, A.
HEMPER, M.

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Comparative Study of Steels with and Without Nickel
for Mechanical Properties, especially their
behavior under Alternating Stresses.

Brutcher Trans, Order No. 513, \$ 1.60

A - 4751

POMP, A.
HEMPER, M.

Mitteilungen K. W. Institut Eisenforschung,
vol. 19, and vol. 20, 3 figures, 1500-word
abstract; 1937-38.

Fatigue Tests of Steel Wire under Alternating
Tensile Stress.

Brutcher Trans, Order No. 729, \$ 1.50.

A 4052

KORBER, F.
HEMPER, M.

Mitteilungen Kaiser-Wilhelm-Institut Eisenforschung,
vol. 18, 1936, No. 1, pp. 15-19; 2 figures, 2
tables, 500-word abstract.

Fatigue Strength of Steel as Function of Frequency
of Load Reversals.

Butcher Trans, Order No. 2145, \$ 1.50.

A-4053

Hempel, M.
FATIGUE STRENGTH EXPERIMENTS AND THEIR
EVALUATION WITH THE USE OF STATISTIC
METHODS. [1962] 6p. (figs. and refs. omitted).
Order from SLA \$1.10 62-16953

Trans. of Draht (West Germany) 1954 [v. 5, no. 10]
p. 375-378.

DESCRIPTORS: *Fatigue (Mechanics), Statistical
analysis, Stresses, Fracture (Mechanics).

(Mechanics, TT, v. 9, no. 2)

62-16953.

1. Hempel, M.

0201154

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60-18857

Hempel, M[ax] and Krug, H[ermann].
INFLUENCE OF THE YIELD POINT ON THE FA-
TIGUE STRENGTH OF STEEL, tr. by C. B. Lander.
[Oct 49] [13]p. (3 figs. omitted) 23 refs.
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